

Manganese in East Liverpool air is a health hazard.

- The highest levels around town were close to levels that, in people who worked with manganese, caused health effects such as reduced eye-hand coordination.
- Some air samples were higher than others—samples from the Water Plant site had higher manganese than samples taken at Maryland Avenue or the Port Authority.
- Manganese levels detected in East Elementary School soil are not at levels that would cause a health problem.
- Manganese was the only substance in the air found to be a health concern. Though chromium III was found in the air at levels higher than most urban settings, it does not cause cancer and is not expected to harm health.

ATSDR recommends immediate action to reduce the amount of manganese in the air.

- Ohio EPA and/or U.S. EPA should take immediate actions to reduce community exposures to manganese from fugitive dust emissions from the SH Bell facility.
- Ohio EPA and USEPA should continue an air monitoring program to verify that exposure to manganese is reduced in the East Liverpool community.

ATSDR's highest priority is protecting people's health.

- Over a long time, breathing or eating too much manganese could cause problems to the nervous system, such as in eye-hand coordination. In children, very high levels could cause problems in learning or remembering.
- Levels of manganese in the air in East Liverpool may not cause health problems in residents, however ATSDR recommends reducing levels and for people to take precautions be as protected as possible. If you have asthma or other breathing problems, you should avoid conditions where there is a lot of dust in the air (bad air quality days).
- If you are worried about your health, please see your doctor or medical provider.
- ATSDR and Ohio Department of Health should learn if nerve diseases occur more frequently in this community.